Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Optics Communications 219 (2003) 437–442
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Author index to volume 219

Alvarez, L., A. Sauceda and M. Xiao, Optical transmission of a subwavelength aperture: size and fiber parameter dependence of near-field resolution 219 (2003) 9
Ambs, P., see Matwyschuk, A. 219 (2003) 125
Andersen, P.E., see Samsøe, E. 219 (2003) 369
Andersson-Engels, S., see Samsøe, E. 219 (2003) 369
Andriyevsky, B., G. Romanyuk and R. Brezvin, Spectra of linear fundamental dichroism of syngenite crystals reconstructed from the birefringence dispersion in the range of transparency 219 (2003) 295
Ansari, Z., see Dunsby, C. 219 (2003) 87
Antony C., S., see Kumar, A. 219 (2003) 215

Barkan, A., see Lloyd, J. 219 (2003) 289
Bêche, B. and E. Gaviot, Matrix formalism to enhance the concept of effective dielectric constant 219 (2003) 15
Biswas, J.C., see Chakraborty, R. 219 (2003) 157
Boudebs, G., S. Cherukulappurath, H. Leblond, J. Troles, F. Smektala and F. Sanchez, Experimental and theoretical study of higher-order nonlinearities in chalcogenide glasses 219 (2003) 427
Boudrioua, A., see Kremer, R. 219 (2003) 389
Brezvin, R., see Andriyevsky, B. 219 (2003) 295

Cambon, P., see Le Floch, S. 219 (2003) 395
Chakraborty, R., J.C. Biswas and S.K. Lahiri, Analysis of directional coupler electro-optic switches using effective-index-based matrix method 219 (2003) 157
Chavel, P., see Zhai, H. 219 (2003) 81
Chen, Y.C., see Zhou, Y. 219 (2003) 365
Chen, Y.-W., see Su, W.-C. 219 (2003) 117
Cherukulappurath, S., see Boudebs, G. 219 (2003) 427
Chiang, K.S., see Liu, M. 219 (2003) 171
Chow, K.W., K. Nakkeeran and B.A. Malomed, Periodic waves in bimodal optical fibers 219 (2003) 251
Christnacher, F., see Matwyschuk, A. 219 (2003) 125
Chu, P.L., see Liu, H.B. 219 (2003) 139
Correll, T.L., see Pixley, N.C. 219 (2003) 27

Dai, D., W. Mei and S. He, Using a tapered MMI to flatten the passband of an AWG 219 (2003) 233
Dreischuh, T.N., see Gurdev, L.L. 219 (2003) 101

doi:10.1016/S0030-4018(03)01391-9

Dunsby, C., Y. Gu, Z. Ansari, P.M.W. French, L. Peng, P. Yu, M.R. Melloch and D.D. Nolte, High-speed depth-sectioned wide-field imaging using low-coherence photorefractive holographic microscopy 219 (2003) 87

Egawa, M., see Kato, H. 219 (2003) 271
Esener, S., see Wen, P. 219 (2003) 383

Feng, B.-F. and B.A. Malomed, Bound states of solitons between close wavelength-separated channels in a dispersion-managed fiber-optic link 219 (2003) 143
French, P.M.W., see Dunsby, C. 219 (2003) 87

Gan, F., see Wei, J. 219 (2003) 261
Gao, Y., see Wang, Z. 219 (2003) 301
Gaviot, E., see Bêche, B. 219 (2003) 15
Gramotnev, D.K. and T.A. Nieminen, Rigorous analysis of grazing-angle scattering of electromagnetic waves in periodic gratings 219 (2003) 33
Gross, M., see Wen, P. 219 (2003) 383
Gu, Y., see Dunsby, C. 219 (2003) 87
Gurdev, L.L. and T.N. Dreischuh, High range resolution velocity estimation techniques taking into account the frequency chirp in coherent Doppler lidars 219 (2003) 101

He, S., see Dai, D. 219 (2003) 233
He, J., see Liu, J. 219 (2003) 317
Her Yu, H. and S.-J. Hwang, E-O functional waveguide using the electric-field-poled polymeric material for integrated-optic devices 219 (2003) 183
Hoerman, B.H., B.M. Nichols and B.W. Wessels, The electro-optic properties of epitaxial $KTa_xNb_{1-x}O_3$ thin films 219 (2003) 377
Hou, S., see Zhang, X. 219 (2003) 193
Huo, L., see Wang, Z. 219 (2003) 301
Hwang, S.-J., see Her Yu, H. 219 (2003) 183
Hwang, S.K., see Okajima, Y. 219 (2003) 357

Imiołek, W., see Kityk, I.V. 219 (2003) 421
Inoue, M., see Kato, H. 219 (2003) 271

Karapetyan, G.G., Advanced configuration of gravitational-wave interferometer on the base of "sensitive mode" in "white-light cavity" 219 (2003) 335
Kato, H., T. Matsushita, A. Takayama, M. Egawa, K. Nishimura and M. Inoue, Effect of optical losses on optical and magneto-optical properties of one-dimensional magnetophotonic crystals for use in optical isolator devices 219 (2003) 271
Kityk, I.V., W. Imiołek, A. Majchrowski and E. Michalski, Photoinduced second harmonic generation in partially crystallized BiB_3O_6 glass 219 (2003) 421
Kludzin, V.V., see Zaitsev, A.K. 219 (2003) 277
Kremer, R., A. Boudrioua, P. Moretti and J.C. Loulergue, Measurements of the non-linear d_{33} coefficients of light-ion implanted lithium niobate by second harmonic generation in total reflection geometry 219 (2003) 389
Kumar, A., A. Labruyere and P. Tchofo Dinda, Modulational instability in fiber systems with periodic loss compensation and dispersion management 219 (2003) 221

Kumar, A., R.K. Varshney, S. Antony C. and P. Sharma, Transmission characteristics of SMS fiber optic sensor structures 219 (2003) 215

Labruyere, A., see Kumar, A. 219 (2003) 221
Laedke, E.W., see Posth, J.A. 219 (2003) 241
Lahiri, S.K., see Chakraborty, R. 219 (2003) 157
Leblond, H., see Boudebs, G. 219 (2003) 427
Le Floch, S. and P. Cambon, Study of Brillouin gain spectrum in standard single-mode optical fiber at low temperatures (1.4–370 K) and high hydrostatic pressures (1–250 bars) 219 (2003) 395
Le Pape, S. and Ph. Zeitoun, Modeling of the influence of the driving laser wavelength on the beam quality of transiently pumped X-ray lasers 219 (2003) 323
Li, E.B., A.K. Tieu and K.F. Wang, Dynamic laser speckle method for determining the relative velocity between two objects 219 (2003) 1
Li, Y.P., see Qiu, G. 219 (2003) 285
Lin, F., see Qiu, G. 219 (2003) 285
Lin, Q., L. Wang and S. Zhu, Partially coherent light pulse and its propagation 219 (2003) 65
Liu, F., see Zhai, H. 219 (2003) 81
Liu, H.B., H.Y. Liu, G.D. Peng and P.L. Chu, Strain and temperature sensor using a combination of polymer and silica fibre Bragg gratings 219 (2003) 139
Liu, H.Y., see Liu, H.B. 219 (2003) 139
Liu, J., J. Yang and J. He, Diode-pumped passively Q-switched *c*-cut Nd:$GdVO_4$ laser 219 (2003) 317
Liu, J.M., see Okajima, Y. 219 (2003) 357
Liu, M., K.S. Chiang and P. Shum, Evaluation of intermodal dispersion in a two-core fiber with non-identical cores 219 (2003) 171
Liu, Z., W. Zang, J. Tian, W. Zhou, C. Zhang and G. Zhang, Analysis of Z-scan of thick media with high-order nonlinearity by variational approach 219 (2003) 411
Lloyd, J., K. Wang, A. Barkan and D.M. Mittleman, Characterization of apparent superluminal effects in the focus of an axicon lens using terahertz time-domain spectroscopy 219 (2003) 289
Lou, C., see Wang, Z. 219 (2003) 301
Loulergue, J.C., see Kremer, R. 219 (2003) 389

Majchrowski, A., see Kityk, I.V. 219 (2003) 421
Malm, P., see Samsøe, E. 219 (2003) 369
Malomed, B.A., see Feng, B.-F. 219 (2003) 143
Malomed, B.A., see Chow, K.W. 219 (2003) 251
Marie Vigoureux, J., A classical expression of non-locality 219 (2003) 21
Matsushita, T., see Kato, H. 219 (2003) 271
Matwyschuk, A., P. Ambs and F. Christnacher, Target tracking correlator assisted by a snake-based optical segmentation method 219 (2003) 125
Mei, W., see Dai, D. 219 (2003) 233
Melloch, M.R., see Dunsby, C. 219 (2003) 87
Michalski, E., see Kityk, I.V. 219 (2003) 421
Min, S.-s., see Soo Lee, D. 219 (2003) 49
Mittleman, D.M., see Lloyd, J. 219 (2003) 289
Moretti, P., see Kremer, R. 219 (2003) 389
Mu, G., see Zhai, H. 219 (2003) 81
Murukeshan, V.M., see Sujatha, N. 219 (2003) 71

Nakkeeran, K., see Chow, K.W. 219 (2003) 251
Naulleau, P.P., The role of temporal coherence in imaging with extreme ultraviolet lithography optics 219 (2003) 57
Nichols, B.M., see Hoerman, B.H. 219 (2003) 377
Nieminen, T.A., see Gramotnev, D.K. 219 (2003) 33
Nishimura, K., see Kato, H. 219 (2003) 271
Nolte, D.D., see Dunsby, C. 219 (2003) 87

Okajima, Y., S.K. Hwang and J.M. Liu, Experimental observation of chirp reduction in bandwidth-enhanced semiconductor lasers subject to strong optical injection 219 (2003) 357
Omenetto, N., see Pixley, N.C. 219 (2003) 27
Ong, L.S., see Sujatha, N. 219 (2003) 71
Ouyang, Y., see Su, W.-C. 219 (2003) 117

Pappas, D., see Pixley, N.C. 219 (2003) 27
Peng, G.D., see Liu, H.B. 219 (2003) 139
Peng, L., see Dunsby, C. 219 (2003) 87
Petersen, P.M., see Samsøe, E. 219 (2003) 369
Pixley, N.C., T.L. Correll, D. Pappas, N. Omenetto, B.W. Smith and J.D. Winefordner, Moving object detection using a cesium resonance fluorescence monochromator 219 (2003) 27
Posth, J.A., T. Schäfer, E.W. Laedke and K.H. Spatschek, Fast optimization procedures for third-order dispersion management 219 (2003) 241

Qiu, G., F. Lin and Y.P. Li, Complete two-dimensional bandgap of photonic crystals of a rectangular Bravais lattice 219 (2003) 285

Rogoziński, R., Determination of refractive index profiles of planar buried waveguides on the basis of a set of modal propagation constants 219 (2003) 199
Romanyuk, G., see Andriyevsky, B. 219 (2003) 295

Samsøe, E., P. Malm, P.E. Andersen, P.M. Petersen and S. Andersson-Engels, Improvement of brightness and output power of high-power laser diodes in the visible spectral region 219 (2003) 369
Sanchez, F., see Boudebs, G. 219 (2003) 427
Sanchez, M., see Wen, P. 219 (2003) 383
Sasoh, A., see Yang, Q. 219 (2003) 307
Sauceda, A., see Alvarez, L. 219 (2003) 9
Schäfer, T., see Posth, J.A. 219 (2003) 241
Schetzen, M. and R. Yildirim, System theory of the single-mode laser-diode 219 (2003) 341
Schetzen, M., see Yildirim, R. 219 (2003) 351
Seah, L.K., see Sujatha, N. 219 (2003) 71
Seop Lee, M., see Soo Lee, D. 219 (2003) 49
Sharma, P., see Kumar, A. 219 (2003) 215
Shum, P., see Liu, M. 219 (2003) 171
Smektala, F., see Boudebs, G. 219 (2003) 427
Smith, B.W., see Pixley, N.C. 219 (2003) 27

Soo Lee, D., S.-s. Min and M. Seop Lee, Design and analysis of spatially variant microlens-array diffuser with uniform illumination for short-range infrared wireless communications using photometric approach 219 (2003) 49
Spatschek, K.H., see Posth, J.A. 219 (2003) 241
Su, W.-C., Y.-W. Chen, Y. Ouyang, C.-C. Sun and B. Wang, Optical identification using a random phase mask 219 (2003) 117
Sujatha, N., V.M. Murukeshan, L.S. Ong and L.K. Seah, An all fiber optic system modeling for the gastrointestinal endoscopy: design concepts and fluorescent analysis 219 (2003) 71
Sun, C.-C., see Su, W.-C. 219 (2003) 117

Takayama, A., see Kato, H. 219 (2003) 271
Takeda, H. and K. Yoshino, Tunable light propagation in Y-shaped waveguides in two-dimensional photonic crystals composed of semiconductors depending on temperature 219 (2003) 177
Tchofo Dinda, P., see Kumar, A. 219 (2003) 221
Thai, Q., see Zhou, Y. 219 (2003) 365
Tian, J., see Liu, Z. 219 (2003) 411
Tieu, A.K., see Li, E.B. 219 (2003) 1
Troles, J., see Boudebs, G. 219 (2003) 427

Varshney, R.K., see Kumar, A. 219 (2003) 215

Wang, L., see Lin, Q. 219 (2003) 65
Wang, B., see Su, W.-C. 219 (2003) 117
Wang, K., see Lloyd, J. 219 (2003) 289
Wang, K.F., see Li, E.B. 219 (2003) 1
Wang, T., see Wang, Z. 219 (2003) 301
Wang, Z., T. Wang, C. Lou, L. Huo and Y. Gao, A novel approach for clock recovery without pattern effect from degraded signal 219 (2003) 301
Wei, J. and F. Gan, Time-resolved thermal lens effect of Sb thin films induced by structural transformation near melting temperature 219 (2003) 261
Wen, P., M. Sanchez, M. Gross and S. Esener, Vertical-cavity optical AND gate 219 (2003) 383
Wessels, B.W., see Hoerman, B.H. 219 (2003) 377
Winefordner, J.D., see Pixley, N.C. 219 (2003) 27

Xiao, M., see Alvarez, L. 219 (2003) 9

Yang, J., see Liu, J. 219 (2003) 317
Yang, Q. and A. Sasoh, Frequency characteristics and dynamical behaviors of self-modulation in vertical-cavity surface-emitting lasers 219 (2003) 307
Yang, X., see Zhai, H. 219 (2003) 81
Yildirim, R., see Schetzen, M. 219 (2003) 341
Yildirim, R. and M. Schetzen, Applications of the single-mode laser-diode system theory 219 (2003) 351
Yoshino, K., see Takeda, H. 219 (2003) 177
Yu, P., see Dunsby, C. 219 (2003) 87
Yuan, H. and W.-D. Zhong, Partially reconfigurable optical add-drop multiplexers for dense WDM networks 219 (2003) 165

Zaitsev, A.K. and V.V. Kludzin, Subcollinear acousto-optic tunable filter based on the medium with a strong acoustic anisotropy 219 (2003) 277
Zang, W., see Liu, Z. 219 (2003) 411
Zeitoun, Ph., see Le Pape, S. 219 (2003) 323
Zhai, H., F. Liu, X. Yang, G. Mu and P. Chavel, Improving binary images reconstructed from kinoforms by amplitude adjustment 219 (2003) 81
Zhang, X. and S. Hou, Study of characteristics of fiber Bragg grating with uniaxial crystal material cladding 219 (2003) 193
Zhang, C., see Liu, Z. 219 (2003) 411
Zhang, G., see Liu, Z. 219 (2003) 411
Zhong, W.-D., see Yuan, H. 219 (2003) 165
Zhou, S., see Zhou, Y. 219 (2003) 365
Zhou, Y., Q. Thai, Y.C. Chen and S. Zhou, Monolithic Q-switched Cr,Yb:YAG laser 219 (2003) 365
Zhou, W., see Liu, Z. 219 (2003) 411
Zhu, S., see Lin, Q. 219 (2003) 65

ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Optics Communications 219 (2003) 443–446

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 219

Propagation and scattering

E.B. Li, A.K. Tieu and K.F. Wang, Dynamic laser speckle method for determining the relative velocity between two objects 1

L. Alvarez, A. Sauceda and M. Xiao, Optical transmission of a subwavelength aperture: size and fiber parameter dependence of near-field resolution 9

B. Bêche and E. Gaviot, Matrix formalism to enhance the concept of effective dielectric constant 15

J. Marie Vigoureux, A classical expression of non-locality 21

N.C. Pixley, T.L. Correll, D. Pappas, N. Omenetto, B.W. Smith and J.D. Winefordner, Moving object detection using a cesium resonance fluorescence monochromator 27

D.K. Gramotnev and T.A. Nieminen, Rigorous analysis of grazing-angle scattering of electromagnetic waves in periodic gratings 33

D. Soo Lee, S.-s. Min and M. Seop Lee, Design and analysis of spatially variant microlens-array diffuser with uniform illumination for short-range infrared wireless communications using photometric approach 49

P.P. Naulleau, The role of temporal coherence in imaging with extreme ultraviolet lithography optics 57

Q. Lin, L. Wang and S. Zhu, Partially coherent light pulse and its propagation 65

Optical information, image formation and analysis, optical computing

N. Sujatha, V.M. Murukeshan, L.S. Ong and L.K. Seah, An all fiber optic system modeling for the gastrointestinal endoscopy: design concepts and fluorescent analysis 71

H. Zhai, F. Liu, X. Yang, G. Mu and P. Chavel, Improving binary images reconstructed from kinoforms by amplitude adjustment 81

C. Dunsby, Y. Gu, Z. Ansari, P.M.W. French, L. Peng, P. Yu, M.R. Melloch and D.D. Nolte, High-speed depth-sectioned wide-field imaging using low-coherence photorefractive holographic microscopy 87

L.L. Gurdev and T.N. Dreischuh, High range resolution velocity estimation techniques taking into account the frequency chirp in coherent Doppler lidars 101

doi:10.1016/S0030-4018(03)01392-0

W.-C. Su, Y.-W. Chen, Y. Ouyang, C.-C. Sun and B. Wang, Optical identification using a random phase mask 117

A. Matwyschuk, P. Ambs and F. Christnacher, Target tracking correlator assisted by a snake-based optical segmentation method 125

H.B. Liu, H.Y. Liu, G.D. Peng and P.L. Chu, Strain and temperature sensor using a combination of polymer and silica fibre Bragg gratings 139

Optical communications

B.-F. Feng and B.A. Malomed, Bound states of solitons between close wavelength-separated channels in a dispersion-managed fiber-optic link 143

R. Chakraborty, J.C. Biswas and S.K. Lahiri, Analysis of directional coupler electro-optic switches using effective-index-based matrix method 157

H. Yuan and W.-D. Zhong, Partially reconfigurable optical add-drop multiplexers for dense WDM networks 165

M. Liu, K.S. Chiang and P. Shum, Evaluation of intermodal dispersion in a two-core fiber with non-identical cores 171

H. Takeda and K. Yoshino, Tunable light propagation in Y-shaped waveguides in two-dimensional photonic crystals composed of semiconductors depending on temperature 177

H. Her Yu and S.-J. Hwang, E-O functional waveguide using the electric-field-poled polymeric material for integrated-optic devices 183

X. Zhang and S. Hou, Study of characteristics of fiber Bragg grating with uniaxial crystal material cladding 193

R. Rogoziński, Determination of refractive index profiles of planar buried waveguides on the basis of a set of modal propagation constants 199

A. Kumar, R.K. Varshney, S. Antony C. and P. Sharma, Transmission characteristics of SMS fiber optic sensor structures 215

A. Kumar, A. Labruyere and P. Tchofo Dinda, Modulational instability in fiber systems with periodic loss compensation and dispersion management 221

D. Dai, W. Mei and S. He, Using a tapered MMI to flatten the passband of an AWG 233

J.A. Posth, T. Schäfer, E.W. Laedke and K.H. Spatschek, Fast optimization procedures for third-order dispersion management 241

K.W. Chow, K. Nakkeeran and B.A. Malomed, Periodic waves in bimodal optical fibers 251

Condensed matter

J. Wei and F. Gan, Time-resolved thermal lens effect of Sb thin films induced by structural transformation near melting temperature 261

H. Kato, T. Matsushita, A. Takayama, M. Egawa, K. Nishimura and M. Inoue, Effect of optical losses on optical and magneto-optical properties of one-dimensional magnetophotonic crystals for use in optical isolator devices 271

A.K. Zaitsev and V.V. Kludzin, Subcollinear acousto-optic tunable filter based on the medium with a strong acoustic anisotropy 277

G. Qiu, F. Lin and Y.P. Li, Complete two-dimensional bandgap of photonic crystals of a rectangular Bravais lattice 285

J. Lloyd, K. Wang, A. Barkan and D.M. Mittleman, Characterization of apparent superluminal effects in the focus of an axicon lens using terahertz time-domain spectroscopy 289

B. Andriyevsky, G. Romanyuk and R. Brezvin, Spectra of linear fundamental dichroism of syngenite crystals reconstructed from the birefringence dispersion in the range of transparency 295

Laser physics and laser sources

Z. Wang, T. Wang, C. Lou, L. Huo and Y. Gao, A novel approach for clock recovery without pattern effect from degraded signal 301

Q. Yang and A. Sasoh, Frequency characteristics and dynamical behaviors of self-modulation in vertical-cavity surface-emitting lasers 307

J. Liu, J. Yang and J. He, Diode-pumped passively Q-switched *c*-cut Nd:$GdVO_4$ laser 317

S. Le Pape and Ph. Zeitoun, Modeling of the influence of the driving laser wavelength on the beam quality of transiently pumped X-ray lasers 323

G.G. Karapetyan, Advanced configuration of gravitational-wave interferometer on the base of "sensitive mode" in "white-light cavity" 335

M. Schetzen and R. Yildirim, System theory of the single-mode laser-diode 341

R. Yildirim and M. Schetzen, Applications of the single-mode laser-diode system theory 351

Y. Okajima, S.K. Hwang and J.M. Liu, Experimental observation of chirp reduction in bandwidth-enhanced semiconductor lasers subject to strong optical injection 357

Y. Zhou, Q. Thai, Y.C. Chen and S. Zhou, Monolithic Q-switched Cr,Yb:YAG laser 365

E. Samsøe, P. Malm, P.E. Andersen, P.M. Petersen and S. Andersson-Engels, Improvement of brightness and output power of high-power laser diodes in the visible spectral region 369

Nonlinear optics

B.H. Hoerman, B.M. Nichols and B.W. Wessels, The electro-optic properties of epitaxial $KTa_xNb_{1-x}O_3$ thin films 377

P. Wen, M. Sanchez, M. Gross and S. Esener, Vertical-cavity optical AND gate 383

R. Kremer, A. Boudrioua, P. Moretti and J.C. Loulergue, Measurements of the nonlinear d_{33} coefficients of light-ion implanted lithium niobate by second harmonic generation in total reflection geometry 389

S. Le Floch and P. Cambon, Study of Brillouin gain spectrum in standard single-mode optical fiber at low temperatures (1.4–370 K) and high hydrostatic pressures (1–250 bars) 395

Z. Liu, W. Zang, J. Tian, W. Zhou, C. Zhang and G. Zhang, Analysis of Z-scan of thick media with high-order nonlinearity by variational approach 411

I.V. Kityk, W. Imiołek, A. Majchrowski and E. Michalski, Photoinduced second harmonic generation in partially crystallized BiB_3O_6 glass 421

G. Boudebs, S. Cherukulappurath, H. Leblond, J. Troles, F. Smektala and F. Sanchez, Experimental and theoretical study of higher-order nonlinearities in chalcogenide glasses 427

Erratum

S.K. Mayer, N.S. Minarik, M.H. Shroyer and D.H. McIntyre, Erratum to: "Zeeman-tuned slowing of rubidium using σ^+ and σ^- polarized light" [Optics Communications 210 (2002) 259–270] 435